

FDN-2737

POLYMERIC INTERPENETRATED NETWORK CARRIER AND SERIAL
POLYMERIZATION INVOLVING A CROSSLINKED POLYMER NETWORK

Abstract

This invention relates to a highly stable, dense interpenetrated crosslinked polymer network (ICPN) containing (a) a crosslinked, network-forming primary polymer containing vinyl lactam and/or acrylic acid moieties, and (b) a secondary, optionally crosslinked, distinctly different polymer interpenetrated into the network of (a) and derived from a monomer selected from the group consisting of an acrylate and/or acrylamide monomer. The invention also relates to the oil-suspension, sequential polymerization of (a) and (b) for producing the above described interpenetrated polymeric network .